

Anil Kumar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

1,600
citations

26
h-index

37
g-index

63
ext. papers

1,770
ext. citations

4.5
avg, IF

4.7
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 60 | Drug-drug interactions between anti-retroviral therapies and drugs of abuse in HIV systems. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2015 , 11, 343-55 | 5.5 | 72 |
| 59 | Modulation by morphine of viral set point in rhesus macaques infected with simian immunodeficiency virus and simian-human immunodeficiency virus. <i>Journal of Virology</i> , 2004 , 78, 11425-8 | 6.6 | 72 |
| 58 | Chronic morphine exposure causes pronounced virus replication in cerebral compartment and accelerated onset of AIDS in SIV/SHIV-infected Indian rhesus macaques. <i>Virology</i> , 2006 , 354, 192-206 | 3.6 | 64 |
| 57 | Oral immunization of macaques with attenuated vaccine virus induces protection against vaginally transmitted AIDS. <i>Journal of Virology</i> , 1998 , 72, 9069-78 | 6.6 | 64 |
| 56 | HIV-1 gp120 induces expression of IL-6 through a nuclear factor-kappa B-dependent mechanism: suppression by gp120 specific small interfering RNA. <i>PLoS ONE</i> , 2011 , 6, e21261 | 3.7 | 60 |
| 55 | Neurotoxicity in the Post-HAART Era: Caution for the Antiretroviral Therapeutics. <i>Neurotoxicity Research</i> , 2016 , 30, 677-697 | 4.3 | 58 |
| 54 | HIV-1 gp120-mediated increases in IL-8 production in astrocytes are mediated through the NF- κ B pathway and can be silenced by gp120-specific siRNA. <i>Journal of Neuroinflammation</i> , 2010 , 7, 96 | 10.1 | 55 |
| 53 | HIV-1 gp120 and drugs of abuse: interactions in the central nervous system. <i>Current HIV Research</i> , 2012 , 10, 369-83 | 1.3 | 51 |
| 52 | Increased viral replication in simian immunodeficiency virus/simian-HIV-infected macaques with self-administering model of chronic alcohol consumption. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2005 , 39, 386-90 | 3.1 | 50 |
| 51 | Molecular mechanisms involved in HIV-1 Tat-mediated induction of IL-6 and IL-8 in astrocytes. <i>Journal of Neuroinflammation</i> , 2014 , 11, 214 | 10.1 | 43 |
| 50 | Effect of mild-to-moderate smoking on viral load, cytokines, oxidative stress, and cytochrome P450 enzymes in HIV-infected individuals. <i>PLoS ONE</i> , 2015 , 10, e0122402 | 3.7 | 43 |
| 49 | Cytokine profiling of exosomes derived from the plasma of HIV-infected alcohol drinkers and cigarette smokers. <i>PLoS ONE</i> , 2018 , 13, e0201144 | 3.7 | 40 |
| 48 | Methamphetamine increases LPS-mediated expression of IL-8, TNF- α and IL-1 β in human macrophages through common signaling pathways. <i>PLoS ONE</i> , 2012 , 7, e33822 | 3.7 | 39 |
| 47 | Effects of Cigarette Smoke Condensate on Oxidative Stress, Apoptotic Cell Death, and HIV Replication in Human Monocytic Cells. <i>PLoS ONE</i> , 2016 , 11, e0155791 | 3.7 | 39 |
| 46 | Central role of myeloid MCP1 in protecting against LPS-induced inflammation and lung injury. <i>Signal Transduction and Targeted Therapy</i> , 2017 , 2, 17066 | 21 | 37 |
| 45 | HIV-1 Nef induces CCL5 production in astrocytes through p38-MAPK and PI3K/Akt pathway and utilizes NF- κ B, C/EBP and AP-1 transcription factors. <i>Scientific Reports</i> , 2014 , 4, 4450 | 4.9 | 37 |
| 44 | Immunization of macaques with live simian human immunodeficiency virus (SHIV) vaccines conferred protection against AIDS induced by homologous and heterologous SHIVs and simian immunodeficiency virus. <i>Virology</i> , 2002 , 301, 189-205 | 3.6 | 36 |

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| 43 | HIV-1 envelope protein gp120 up regulates CCL5 production in astrocytes which can be circumvented by inhibitors of NF- κ B pathway. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 414, 112-7 | 3.4 | 35 |
| 42 | Cocaine-Mediated Autophagy in Astrocytes Involves Sigma 1 Receptor, PI3K, mTOR, Atg5/7, Beclin-1 and Induces Type II Programmed Cell Death. <i>Molecular Neurobiology</i> , 2016 , 53, 4417-30 | 6.2 | 33 |
| 41 | HIV-1 gp120 induces type-1 programmed cell death through ER stress employing IRE1 \rightarrow JNK and AP-1 pathway. <i>Scientific Reports</i> , 2016 , 6, 18929 | 4.9 | 31 |
| 40 | HIV-1 Tat-mediated induction of CCL5 in astrocytes involves NF- κ B, AP-1, C/EBP β and C/EBP δ transcription factors and JAK, PI3K/Akt and p38 MAPK signaling pathways. <i>PLoS ONE</i> , 2013 , 8, e78855 | 3.7 | 30 |
| 39 | Differential signaling mechanism for HIV-1 Nef-mediated production of IL-6 and IL-8 in human astrocytes. <i>Scientific Reports</i> , 2015 , 5, 9867 | 4.9 | 29 |
| 38 | Methamphetamine-mediated endoplasmic reticulum (ER) stress induces type-1 programmed cell death in astrocytes via ATF6, IRE1 β and PERK pathways. <i>Oncotarget</i> , 2016 , 7, 46100-46119 | 3.3 | 28 |
| 37 | Compartmentalization of drug resistance-associated mutations in a treatment-naive HIV-infected female. <i>AIDS Research and Human Retroviruses</i> , 2004 , 20, 684-6 | 1.6 | 27 |
| 36 | Methamphetamine potentiates HIV-1 gp120-mediated autophagy via Beclin-1 and Atg5/7 as a pro-survival response in astrocytes. <i>Cell Death and Disease</i> , 2016 , 7, e2425 | 9.8 | 27 |
| 35 | Human immunodeficiency virus type 1 viral protein R (Vpr) induces CCL5 expression in astrocytes via PI3K and MAPK signaling pathways. <i>Journal of Neuroinflammation</i> , 2013 , 10, 136 | 10.1 | 26 |
| 34 | Synthesis and evaluation of 3-phenylpyrazolo[3,4-d]pyrimidine-peptide conjugates as Src kinase inhibitors. <i>ChemMedChem</i> , 2007 , 2, 1346-60 | 3.7 | 25 |
| 33 | Sequential immunization of macaques with two differentially attenuated vaccines induced long-term virus-specific immune responses and conferred protection against AIDS caused by heterologous simian human immunodeficiency Virus (SHIV(89.6)P). <i>Virology</i> , 2001 , 279, 241-56 | 3.6 | 25 |
| 32 | Methamphetamine augment HIV-1 Tat mediated memory deficits by altering the expression of synaptic proteins and neurotrophic factors. <i>Brain, Behavior, and Immunity</i> , 2018 , 71, 37-51 | 16.6 | 24 |
| 31 | Synergistic cooperation between methamphetamine and HIV-1 gp120 through the P13K/Akt pathway induces IL-6 but not IL-8 expression in astrocytes. <i>PLoS ONE</i> , 2012 , 7, e52060 | 3.7 | 24 |
| 30 | Multiple Protein Kinases via Activation of Transcription Factors NF- κ B, AP-1 and C/EBP β Regulate the IL-6/IL-8 Production by HIV-1 Vpr in Astrocytes. <i>PLoS ONE</i> , 2015 , 10, e0135633 | 3.7 | 24 |
| 29 | Proteomic Profiling of Exosomes Derived from Plasma of HIV-Infected Alcohol Drinkers and Cigarette Smokers. <i>Journal of NeuroImmune Pharmacology</i> , 2020 , 15, 501-519 | 6.9 | 24 |
| 28 | Pathogenic simian/human immunodeficiency virus SHIV(KU) inoculated into immunized macaques caused infection, but virus burdens progressively declined with time. <i>Journal of Virology</i> , 2000 , 74, 10489-97 | 6.6 | 23 |
| 27 | Opiates, immune system, acquired immunodeficiency syndrome, and nonhuman primate model. <i>Journal of NeuroVirology</i> , 2008 , 14, 279-85 | 3.9 | 20 |
| 26 | Enhanced oxidative stress by alcohol use in HIV+ patients: possible involvement of cytochrome P450 2E1 and antioxidant enzymes. <i>AIDS Research and Therapy</i> , 2015 , 12, 29 | 3 | 19 |

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|----|--|-----|----|
| 25 | Monocyte Chemotactic Protein-induced Protein 1 and 4 Form a Complex but Act Independently in Regulation of Interleukin-6 mRNA Degradation. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20782-20792 | 5.4 | 19 |
| 24 | Synthesis of polymer-bound 4-acetoxy-3-phenylbenzaldehyde derivatives: applications in solid-phase organic synthesis. <i>Journal of Organic Chemistry</i> , 2006 , 71, 7915-8 | 4.2 | 18 |
| 23 | Virus replication and disease progression inversely correlate with SIV tat evolution in morphine-dependent and SIV/SHIV-infected Indian rhesus macaques. <i>Virology</i> , 2006 , 346, 127-38 | 3.6 | 17 |
| 22 | Correlation between SIV Tat evolution and AIDS progression in cerebrospinal fluid of morphine-dependent and control macaques infected with SIV and SHIV. <i>Virology</i> , 2006 , 349, 440-52 | 3.6 | 16 |
| 21 | HIV-1, HCV and alcohol in the CNS: potential interactions and effects on neuroinflammation. <i>Current HIV Research</i> , 2014 , 12, 282-92 | 1.3 | 16 |
| 20 | Neuropathogenesis of chimeric simian human immunodeficiency virus infection in rhesus macaques. <i>Journal of Medical Primatology</i> , 2000 , 29, 96-106 | 0.7 | 14 |
| 19 | Modeling the Effects of Morphine on Simian Immunodeficiency Virus Dynamics. <i>PLoS Computational Biology</i> , 2016 , 12, e1005127 | 5 | 14 |
| 18 | Neuropsychological Complications of HIV Disease and Substances of Abuse. <i>American Journal of Infectious Diseases</i> , 2006 , 2, 67-73 | 0.4 | 14 |
| 17 | Evolution of SIV envelope in morphine-dependent rhesus macaques with rapid disease progression. <i>AIDS Research and Human Retroviruses</i> , 2006 , 22, 114-9 | 1.6 | 13 |
| 16 | Modeling the Effects of Morphine-Altered Virus Specific Antibody Responses on HIV/SIV Dynamics. <i>Scientific Reports</i> , 2019 , 9, 5423 | 4.9 | 11 |
| 15 | Variable region 4 of SIV envelope correlates with rapid disease progression in morphine-exposed macaques infected with SIV/SHIV. <i>Virology</i> , 2007 , 358, 373-83 | 3.6 | 11 |
| 14 | SIV Vpr evolution is inversely related to disease progression in a morphine-dependent rhesus macaque model of AIDS. <i>Virology</i> , 2007 , 359, 397-404 | 3.6 | 11 |
| 13 | Zika Virus Infection and Development of a Murine Model. <i>Neurotoxicity Research</i> , 2016 , 30, 131-4 | 4.3 | 10 |
| 12 | Role of Autophagy in HIV Pathogenesis and Drug Abuse. <i>Molecular Neurobiology</i> , 2017 , 54, 5855-5867 | 6.2 | 10 |
| 11 | An Overview of Human Immunodeficiency Virus Type 1-Associated Common Neurological Complications: Does Aging Pose a Challenge?. <i>Journal of Alzheimer's Disease</i> , 2017 , 60, S169-S193 | 4.3 | 9 |
| 10 | Methamphetamine alters the normal progression by inducing cell cycle arrest in astrocytes. <i>PLoS ONE</i> , 2014 , 9, e109603 | 3.7 | 9 |
| 9 | Protection of macaques against AIDS with a live attenuated SHIV vaccine is of finite duration. <i>Virology</i> , 2008 , 371, 238-45 | 3.6 | 9 |
| 8 | HIV-1 gp120-Mediated Mitochondrial Dysfunction and HIV-Associated Neurological Disorders. <i>Neurotoxicity Research</i> , 2016 , 30, 135-7 | 4.3 | 9 |

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| 7 | Enhanced methamphetamine metabolism in rhesus macaque as compared with human: an analysis using a novel method of liquid chromatography with tandem mass spectrometry, kinetic study, and substrate docking. <i>Drug Metabolism and Disposition</i> , 2014 , 42, 2097-108 | 4 | 8 |
| 6 | Lack of correlation between SIV-Nef evolution and rapid disease progression in morphine-dependent nonhuman primate model of AIDS. <i>AIDS Research and Human Retroviruses</i> , 2006 , 22, 817-23 | 1.6 | 7 |
| 5 | Effect of Methamphetamine on Spectral Binding, Ligand Docking and Metabolism of Anti-HIV Drugs with CYP3A4. <i>PLoS ONE</i> , 2016 , 11, e0146529 | 3.7 | 7 |
| 4 | Identification and molecular characterization of SIV Vpr R50G mutation associated with long term survival in SIV-infected morphine dependent and control macaques. <i>Virology</i> , 2013 , 446, 144-51 | 3.6 | 4 |
| 3 | 4-(E)-{(p-tolylimino)-methylbenzene-1,2-diol} (TIMBD) suppresses HIV1-gp120 mediated production of IL6 and IL8 but not CCL5. <i>Scientific Reports</i> , 2017 , 7, 8129 | 4.9 | 4 |
| 2 | Analysis of the V1V2 region of the SIV envelope in the brains of morphine-dependent and control SIV/SHIV-infected macaques. <i>AIDS Research and Human Retroviruses</i> , 2009 , 25, 531-4 | 1.6 | 3 |
| 1 | Synthesis and Biological Evaluation of 5?-O-Fatty Acyl Ester Derivatives of 3?-Fluoro-2?,3?-dideoxythymidine as Potential Anti-HIV Microbicides. <i>Molecules</i> , 2022 , 27, 3352 | 4.8 | |